

**LISTING OF CLAIMS:**

1. (Previously Presented) Heat transfer fluid, for use over a broad range of temperatures, consisting essentially of a component selected from the group consisting of:

- (a) a mixture of at least two structurally non-identical saturated cycloalkane-alkyl or -polyalkyl components, wherein the cycloalkane moiety contains from 5 to 8 carbon atoms, the alkyl moiety contains from 1 to 6 carbon atoms with the proviso that the total number of carbon atoms in the alkyl moiety(ies) on the cycloalkane-alkyl and cycloalkane-polyalkyl compounds together is in the range of from 1 to 10;
- (b) a mixture of, at least, two structurally non-identical saturated aliphatic hydrocarbons having a linear or branched chain with from 5 to 15 carbon atoms; and
- (c) a mixture of, at least, a saturated cycloalkane-alkyl or -polyalkyl, wherein the cycloalkane moiety contains from 5 to 8 carbon atoms, the alkyl moiety contains from 1 to 6 carbon atoms with the proviso that the total number of carbon atoms in the alkyl moiety(ies) on the cycloalkane-alkyl and cycloalkane-polyalkyl compounds together is in the range of from 1 to 10, and a saturated aliphatic hydrocarbon having a linear or branched chain with from 5 to 15 carbon atoms;

at a level such that the composition has: a cloud point below -100 °C.; a vapor pressure, at +175 °C., below 1300 kPa; and a viscosity, measured at the cloud point temperature +10 °C., below 400 cP.

2. (Original) The heat transfer fluid in accordance with claim 1 wherein the alkyl moiety in the cycloalkane-alkyl or -polyalkyl component is selected from methyl, ethyl and propyl and mixtures thereof.

3. (Currently Amended) The heat transfer fluid in accordance with claim ~~1(b)~~ 1, wherein the aliphatic hydrocarbon in the mixture of, at least, two structurally non-identical saturated aliphatic hydrocarbons having a linear or branched chain contains from 5 to 10 carbon atoms.
4. (Currently Amended) The ~~composition~~-heat transfer fluid in accordance with claim 1 wherein the viscosity is below 300 cP.
5. (Currently Amended) The ~~composition~~-heat transfer fluid in accordance with claim 1 wherein the vapor pressure, at +175 °C., is below 827 kPa.
6. (Original) The heat transfer fluid in accordance with claim 1 wherein the cycloalkane-alkyl component is represented by: cyclohexane-methyl, -dimethyl, -ethylmethyl, -trimethyl, -ethyl and -propyl; cyclopentane-methyl, -dimethyl, -ethylmethyl, -trimethyl, -ethyl and -propyl; cycloheptane-methyl, -dimethyl, -ethylmethyl, -trimethyl, -ethyl and -propyl; and cyclooctane-methyl, -dimethyl, -ethylmethyl, -trimethyl, -ethyl and -propyl.
7. (Original) The heat transfer fluid in accordance with claim 1 wherein the aliphatic alkane is represented by: pentane-2,2,4-trimethyl; pentane-2,3,4-trimethyl; pentane-2-methyl, pentane-3-methyl; hexane-2-methyl; hexane-3-methyl; n-hexane; hexane-2,2-dimethyl; hexane-3,3-dimethyl; n-heptane; heptane-4-methyl; n-octane; and octane-2-methyl.
8. (Currently Amended) The heat transfer fluid in accordance with claim ~~1(a)~~ 1 wherein the ponderal ratio of the ~~structural~~-structurally non-identical cycloalkane components is in the range of from 95 : 5 to 5 : 95.

9. (Original) The heat transfer fluid in accordance with claim 8 wherein the cycloalkane components are represented by combinations of:

ethylcyclopentane/ethylcyclohexane;

ethylcyclopentane/n-propylcyclohexane;

methylcyclohexane/ethylcyclohexane;

methylcyclohexane/n-propylcyclohexane;

ethylcyclohexane/n-propylcyclohexane; and

methylcyclohexane/ethylcyclopentane.

10. (Currently Amended) The heat transfer fluid in accordance with claim ~~4(e)~~ 1 wherein the ponderal ratio of the cycloalkane component to the aliphatic hydrocarbon is in the range of from 97 : 3 to 10 : 90.

11. (Original) The heat transfer fluid in accordance with claim 8 wherein the ponderal ratio of the cycloalkane components is in the range of from 75 : 25 to 25 : 75.

12. (Original) The heat transfer fluid in accordance with claim 10 wherein the ponderal ratio of the cycloalkane component to the aliphatic hydrocarbon is in the range of from 80 : 20 to 25 : 75.

13. (Original) The heat transfer fluid in accordance with claim 12 wherein the ponderal ratio of the cycloalkane component to the aliphatic hydrocarbon is in the range of from 70 : 30 to 35 : 65.

14. (Currently Amended) The heat transfer fluid in accordance with claim ~~4(e)~~ 1 wherein the weight ratio of the aliphatic hydrocarbon to the cycloalkane component is in the range of from 90 : 10 to 60 : 40, whereby the aliphatic hydrocarbon is selected from 2-methylpentane, 3-methylpentane, 2,2,4-trimethylpentane and n-hexane and the cycloalkane component is selected from ethyl-cyclohexane and methyl-cyclohexane.

15. (Previously Presented) The heat transfer fluid in accordance with claim 1 wherein the cloud point of the composition is in the range of from -110 °C. to -175 °C.